

Applicants: Stephen P. Goff and Guangxia Gao  
U.S. Serial No.: 10/568,396  
Filed: August 31, 2006  
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**Listing of Claims:**

Pursuant to 37 C.F.R. §1.121(c), this listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An isolated mammalian Zinc-finger antiviral protein (ZAP) ZAP protein which:
  - (a) comprises four CCCH-type zinc finger motifs; and
  - (b) when present in a mammalian cell infected with a retrovirus, binds to RNA of the retrovirus, so as to inhibit replication of the retrovirus in the cell.
- 2-5. (Canceled)
6. (Original) The protein of claim 1, wherein the protein has deleted from it a region which causes protein instability.
7. (Currently Amended) The protein of claim 6, wherein the region is the WWE domain region.
- 8-36. (Canceled)
37. (Withdrawn; Currently Amended) A method for increasing the amount of ZAP Zinc-finger antiviral protein (ZAP) protein in a subject's cells which comprises administering to the subject an amount of the protein of claim 1 effective to increase the amount of Zinc-finger antiviral protein (ZAP) ZAP protein in the subject's cells.

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38-56. (Canceled)

57. (Withdrawn) The method of claim 37, wherein the subject is a human.

58. (Withdrawn; Currently Amended) A method for increasing resistance to a retrovirus virus in a subject which comprises administering to the subject an amount of the protein of claim 1 effective to increase the amount of Zinc-finger antiviral protein (ZAP) ZAP protein in the subject's cells, so as to thereby increase resistance to the retrovirus virus in the subject.

59. (Withdrawn) The method of claim 58, wherein the subject is a human.

60-61. (Canceled)